

# SuperStarGear™

## Cost Savings: SuperStarGear™

	<u>Purchase Price</u>	<u>Replace Cost</u>
SuperStarGear™:	\$12.00	N/A
SuperStarGear™ Segments:	\$8.50	\$8.50
Industry Standard:	\$11.40	\$11.40

### What this Chart Shows:

If a plant uses 2000 SuperStarGears™ and renews the SuperStarGear™ Segments every 5 years with labor that costs \$25/hr then that plant will realize the following savings after the 1st time they replace a SuperStarGear™ Segment.....

Cost Savings: \$4,600.00  
 Payback: 1.6 (19 Months)  
 Productivity Improvement: \$3,750.00

### Cumulative Savings (based on # of star gears as shown)

	<u>Savings</u>	<u>1</u>	<u>100</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>5000</u>
1st Purchase :	\$(0.60)	\$(0.60)	\$(60)	\$(300)	\$(600)	\$(1,200)	\$(2,400)	\$(3,000)
1st Renew/Replacement :	\$2.90	\$2.30	\$230	\$1,150	\$2,300	\$4,600	\$9,200	\$11,500
2nd Renew/Replacement :	\$2.90	\$5.20	\$520	\$2,600	\$5,200	\$10,400	\$20,800	\$26,000
3rd Renew/Replacement :	\$2.90	\$8.10	\$810	\$4,050	\$8,100	\$16,200	\$32,400	\$40,500
4th Renew/Replacement :	\$2.90	\$11.00	\$1,100	\$5,500	\$11,000	\$22,000	\$44,000	\$55,000



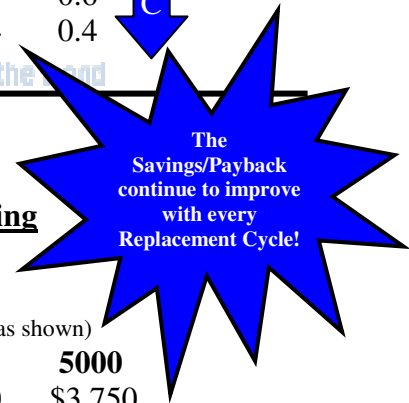
### Payback (Yrs) = Premium/(Avg Savings Per Year)

	<u>Star Gear Life (Years)</u>							
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
1st Renew/Replacement :	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1
2nd Renew/Replacement :	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9
3rd Renew/Replacement :	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6
4th Renew/Replacement :	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4



### Productivity Improvement: SuperStarGear™

	<u>SuperStarGear™</u>	<u>Indust Std</u>	<u>Time Saving</u>
Avg Time to Replace (Mins) :	0.75	5.25	4.50



### Cumulative Improvement (based on # of star gears replaced as shown)

Labor Rate (\$/hr):	<u>1</u>	<u>100</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>5000</u>
\$10	\$0.75	\$75.00	\$375	\$750	\$1,500	\$3,000	\$3,750
\$15	\$1.13	\$112.50	\$563	\$1,125	\$2,250	\$4,500	\$5,625
\$20	\$1.50	\$150.00	\$750	\$1,500	\$3,000	\$6,000	\$7,500
\$25	\$1.88	\$187.50	\$938	\$1,875	\$3,750	\$7,500	\$9,375
\$30	\$2.25	\$225.00	\$1,125	\$2,250	\$4,500	\$9,000	\$11,250
\$35	\$2.63	\$262.50	\$1,313	\$2,625	\$5,250	\$10,500	\$13,125
\$40	\$3.00	\$300.00	\$1,500	\$3,000	\$6,000	\$12,000	\$15,000
\$50	\$3.75	\$375.00	\$1,875	\$3,750	\$7,500	\$15,000	\$18,750